CRF Errors Corrected by the STIC System Branch

Serial Number: 09/380,826A ENTERED

CRF Processing Date: 1/10/2001
Edited by:
Verified by: (STIC staff)

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JAN 23 2001
TECH CENTER 1600/2900

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

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- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:19

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

<110> APPLICANT: Chappel, Rod
<120> TITLE OF INVENTION: LEPTOSPIRA PATHOGENS
<130> FILE REFERENCE: DAVIE79.001APC
<140> CURRENT APPLICATION NUMBER: 09/380,826A
<141> CURRENT FILING DATE: 1999-11-22
<150> PRIOR APPLICATION NUMBER: PCT/AU98/00145
<151> PRIOR FILING DATE: 1998-03-06
<150> PRIOR APPLICATION NUMBER: AU PO5494/97
<151> PRIOR FILING DATE: 1997-03-07
<160> NUMBER OF SEQ ID NOS: 26
<170> SOFTWARE: FastSEQ for Windows Version 4.0
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<212> TYPE: DNA
<213> ORGANISM: Leptospira fainei
<400> SEQUENCE: 1
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ctttccgaaa ggaaagctaa taccggatag tcctgttgga tcacaagatt tgataggtaa 180
agatttattg cttggagatg agcccgcggc cgattagcta gttggtgagg taatggctca 240
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ggtccatact cctacgggag gcagcagtta agaatcttgc tcaatggggg aaaccctgaa 360
gcagcgacgc cgcgtgaacg aagaaggtct tcggattgta aagttcatta ggcaggaaaa 420
ataagcagca atgtgatgat ggtacctgcc taaagcaccg gctaactacg tgccagcagc 480
cgcggtaata cgtatggtgc aagcgttgtt cggaatcatt gggcgtaaag ggtgcgtagg 540
cggatttgta agtcaggtgt gaaaactgcg ggctcaaccc gtggcctgca cttgaaacta 600
caagtctgga gtttgggaga ggcaagtgga attccaggtg tagcggtgaa atgcgtagat 660
atctggagga acaccagtgg cgaaggcgac ttgctggctc aaaactgacg ctgaggcacg 720
aaagcgtggg tagtaaacgg gattagatac cccggtaatc cacgccctaa acgttgtcta 780
ccagttgttg ggggttttaa ccctcagtaa cgaacctaac ggattaagta gaccgcctgg 840
ggactatgct cgcaagagtg aaactcaaag gaattgacgg gggtccgcac aagcggtgga 900
gcatgtggtt taattcgatg ataccccaaa aacctcacct gggcttgaca tggatctgaa 960
tcatgtagag atatatgagc cttcgggcag attcacaggt gctgcatggt tgtcgtcagc 1020
tcgtgtcgtg agatgttggg ttaagtcccg caacgagcgc aacccctatc gtatgttgct 1080
accttaagtt gggcactggt acgaaactgc cggtgacaaa ccggaggaag gcggggatga 1140
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agggtcgcca actcgcaaga gggagctaat ctctaaaagt cggtcccagt tcggattggg 1260
gtctgcaact cgaccccatg aagtcggaat cgctagtaat cgcggatcag catgccgcgg 1320
tgaatacgtt cccggacctt gtacacaccg cccgtcacac cacctgagtg gggagcaccc 1380
gaagtggtct ttgttaaccg taaggagaca gactactaag gtgaaactcg taaaggggt 1440
gaagtcgtaa caaggtaccg taaatcgatt cctgcag 1477
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<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer for L. fainei.

RAW SEQUENCE LISTING DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:19

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

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67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Primer for L. fainei.
73 <400> SEQUENCE: 3
74 ttcaccgcta cacctggaa 19
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 7
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Primer for L. fainei.
84 <400> SEQUENCE: 4
85 tgttgga 7
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 7
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Primer for L. fainei.
95 <400> SEQUENCE: 5
96 tttgata 7
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 22
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (1)...(22)
106 <223> OTHER INFORMATION: n = A,T,C or G
108 <223> OTHER INFORMATION: Primer for L. fainei.
110 <400> SEQUENCE: 6
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113 <210> SEQ ID NO: 7
114 <211> LENGTH: 22
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Primer for L. fainei.
121 <400> SEQUENCE: 7
122 tgttggatca caagatttga ta 22
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 200
126 <212> TYPE: DNA
127 <213> ORGANISM: Leptospira inadai

RAW SEQUENCE LISTING DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:19

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

129 <400> SEQUENCE: 8
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131 ggatctgata ggtaaagatt tattgcttgg agatgagccc gcggccgatt agctagttgg 120
132 tgaggtaaag gctcaccaag gcgacgatcg gtagccggcc tgagagggtg tccggccaca 180
133 atggaactga gacacggtcc 200
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 200
137 <212> TYPE: DNA
138 <213> ORGANISM: Leptospira meyeri
140 <400> SEQUENCE: 9
141 ccgagtctgg gataactttt cgaaagggaa gctaatactg gatagtcccg agagatcata 60
142 agatttttcg ggtaaagatt cattgcttgg agatgagccc gcgtccgatt agctagttgg 120
143 tgaggtaatg gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
144 atggaactga gacacggtcc 200
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 200
148 <212> TYPE: DNA
149 <213> ORGANISM: Leptospira weilii
151 <400> SEQUENCE: 10
152 ccgagtctgg gataactttc cgaaagggga gctaatactg gatggtcccg agaggtcata 60
153 tgatttttcg ggtaaagatt tattgctcgg agctgagccc gcgcccgatt agctagttgg 120
154 tgaggtaatg gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
155 atggaactga gacacggtcc 200
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 200
159 <212> TYPE: DNA
160 <213> ORGANISM: Leptospira santarosi
162 <400> SEQUENCE: 11
163 ccgagtctgg gataactttc cgaaagggga gctaatactg gatagtcccg atagatcata 60
164 ggatgtatcg ggtaaagatt cattgctcgg agatgagccc gcgcccgatt agctagttgg 120
165 tgaggtaaag gctcaccaag gcgacgatcg gtaaccggcc tgagagggtg ttcggccaca 180
166 atggaactga gacacggtcc 200
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 200
170 <212> TYPE: DNA
171 <213> ORGANISM: Leptospira borgpetersenii
173 <400> SEQUENCE: 12
174 ccgagtctgg gataactttc cgaaagggga gctaatactg gatagtcccg agaggtcata 60
175 ggatttttcg ggtaaagatt tattgctcgg agatgagccc gcgcccgatt agctagttgg 120
176 tgaggtaatg gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
177 atggaactga gacacggtcc 200
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 200
181 <212> TYPE: DNA
182 <213> ORGANISM: Leptospira noguchii
184 <400> SEQUENCE: 13
185 ccgagtctgg gataactttc cgaaagggaa gctaatactg gatagtcccg agagatcata 60
186 agatttttcg ggtaaagatt cattgctcgg agatgagccc gcgtccgatt agctagttgg 120
187 tgaggtaatg gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180

RAW SEQUENCE LISTING DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:19

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

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190 <210> SEQ ID NO: 14
191 <211> LENGTH: 200
192 <212> TYPE: DNA
193 <213> ORGANISM: Leptospira kirschneri
195 <400> SEQUENCE: 14
196 ccgagtctgg gataactttc cgaaagggaa gctaatactg gatggtcccg agagatcata 60
197 agatttttcg ggtaaagatt tattgctcgg agatgagccc gcgtccgatt asctagttgg 120
198 tgaggtaaag gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
199 atggaactga gacacggtcc 200
201 <210> SEQ ID NO: 15
202 <211> LENGTH: 200
203 <212> TYPE: DNA
204 <213> ORGANISM: Leptospira interrogans
206 <400> SEQUENCE: 15
207 ctgagtctgg gataactttc cgaaagggaa gctaatactg gatggtcccg agagatcata 60
208 agatttttcg ggtaaagatt tattgctcgg agatgagccc gcgtccgatt agctagttgg 120
209 tgaggtaaag gctcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
210 atggaactga gacacggtcc 200
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 29
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Primer 27F for Leptospira species.
220 <400> SEQUENCE: 16
221 catggatcca gagtttgatc mtggctcag 29
223 <210> SEQ ID NO: 17
224 <211> LENGTH: 16
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Primer 530F for Leptospira species.
231 <400> SEQUENCE: 17
232 gtgccagcmg ccgcgg 16
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 20
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer 926F for Leptospira species.
242 <400> SEQUENCE: 18
243 aaactyaaak gaattgacgg 20
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 18
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Primer LU for Leptospira species.

RAW SEQUENCE LISTING DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:19

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

253 <400> SEQUENCE: 19
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256 <210> SEQ ID NO: 20
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Primer C for Leptospira species.
264 <400> SEQUENCE: 20
265 caagtcaagc ggagtagcaa 20
267 <210> SEQ ID NO: 21
268 <211> LENGTH: 15
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Primer 1392R for Leptospira species.
275 <400> SEQUENCE: 21
276 acgggcggtg tgtrc 15
278 <210> SEQ ID NO: 22
279 <211> LENGTH: 15
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Primer 1100R for Leptospira species.
286 <400> SEQUENCE: 22
287 gggttgcgct cgttg 15
289 <210> SEQ ID NO: 23
290 <211> LENGTH: 18
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Primer 519R for Leptospira species.
297 <400> SEQUENCE: 23
298 gwattaccgc ggckgctg 18
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 19
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Primer rLP for Leptospira species.
308 <400> SEQUENCE: 24
309 accatcatca catygctgc 19
311 <210> SEQ ID NO: 25
312 <211> LENGTH: 21
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Primer B for Leptospira species.
319 <400> SEQUENCE: 25

VERIFICATION SUMMARY DATE: 01/18/2001
PATENT APPLICATION: US/09/380,826A TIME: 16:14:20

Input Set : A:\Pto.amc
Output Set: N:\CRF3\01182001\I380826A.raw

L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

1645

RAW SEQUENCE LISTING DATE: 01/10/2001
PATENT APPLICATION: US/09/380,826A TIME: 11:05:14

Input Set : A:\DAVIE79SEQLIST.TXT
Output Set: N:\CRF3\01102001\I380826A.raw

Does Not Comply
Corrected Diskette Needed

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   6 <120> TITLE OF INVENTION: LEPTOSPIRA PATHOGENS
   9 <130> FILE REFERENCE: DAVIE79.001APC
  11 <140> CURRENT APPLICATION NUMBER: 09/380,826A
  12 <141> CURRENT FILING DATE: 1999-11-22
  14 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00145
  15 <151> PRIOR FILING DATE: 1998-03-06
  17 <150> PRIOR APPLICATION NUMBER: AU PO5494/97
  18 <151> PRIOR FILING DATE: 1997-03-07
  20 <160> NUMBER OF SEQ ID NOS: 26
  22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

 324 <210> SEQ ID NO: 26
 325 <211> LENGTH: 23
 326 <212> TYPE: DNA
 327 <213> ORGANISM: Artificial Sequence
 329 <220> FEATURE:
 330 <223> OTHER INFORMATION: Primer INT rLP for Leptospira species.
 332 <400> SEQUENCE: 26
 333 ttattttcc ctgcttactg aac                                        23
E--> 334 6
E--> 337 1
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VERIFICATION SUMMARY DATE: 01/10/2001
PATENT APPLICATION: US/09/380,826A TIME: 11:05:15

Input Set : A:\DAVIE79SEQLIST.TXT
Output Set: N:\CRF3\01102001\I380826A.raw

L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:334 M:254 E: No. of Bases conflict, LENGTH:Input:6 Counted:23 SEQ:26
M:254 Repeated in SeqNo=26